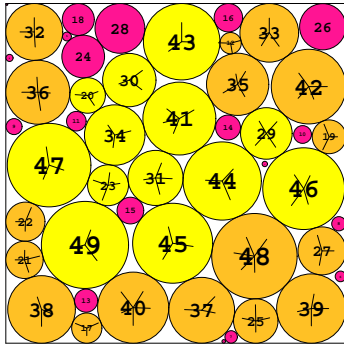


N = 49

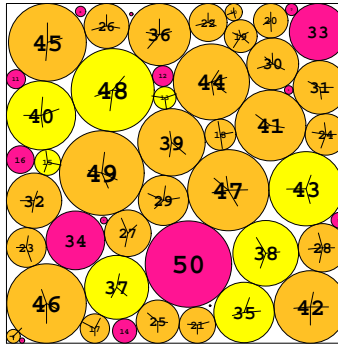
49 circles in a square



radius = 0.128154416952 density = 0.868710157206
 ratio = 382.351238160883 contacts = 61

N = 50

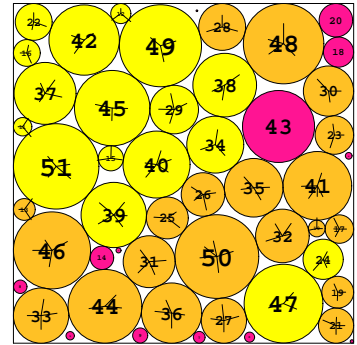
50 circles in a square



radius = 0.127005792041 density = 0.870096100466
 ratio = 393.682832858258 contacts = 71

N = 51

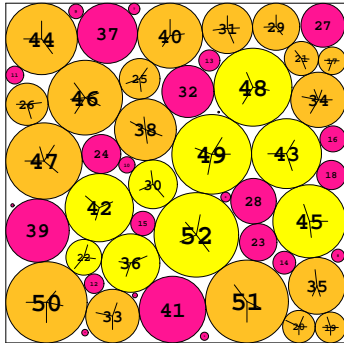
51 circles in a square



radius = 0.125619408766 density = 0.867725788340
 ratio = 405.988218708044 contacts = 77

N = 52

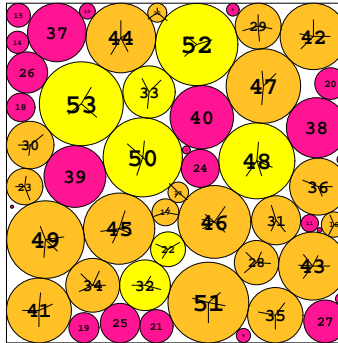
52 circles in a square



radius = 0.124705898988 density = 0.865360824836
 ratio = 416.441694361417 contacts = 55

N = 53

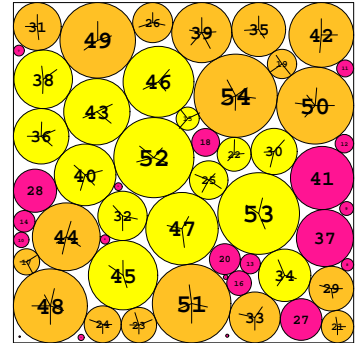
53 circles in a square



radius = 0.123388032896 density = 0.868944327129
 ratio = 429.56613260465 contacts = 57

N = 54

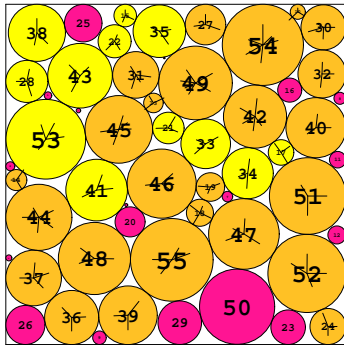
54 circles in a square



radius = 0.122525332779 density = 0.867725788340
 ratio = 441.709434957216 contacts = 67

N = 55

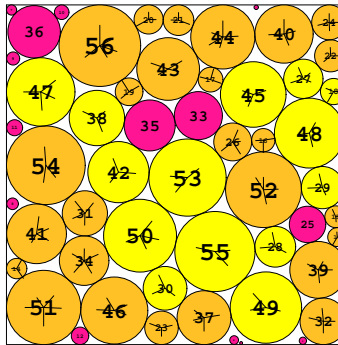
55 circles in a square



radius = 0.121457327930 density = 0.872360078526
 ratio = 450.833937132229 contacts = 75

N = 56

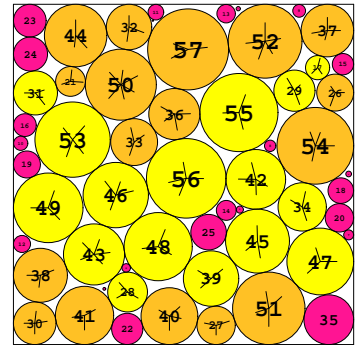
56 circles in a square



radius = 0.120003660573 density = 0.867267121226
 ratio = 466.652431540657 contacts = 81

N = 57

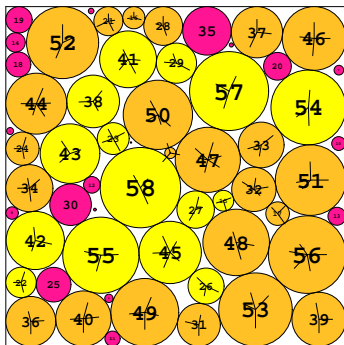
57 circles in a square



radius = 0.118961325243 density = 0.867084030764
 ratio = 479.147318537469 contacts = 67

N = 58

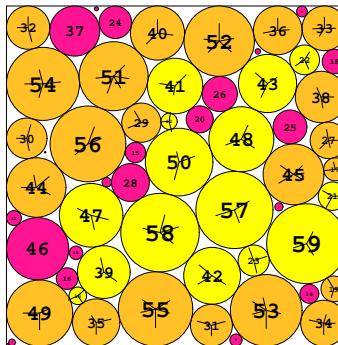
58 circles in a square



radius = 0.118186706333 density = 0.870453872326
 ratio = 490.748932766352 contacts = 79

N = 59

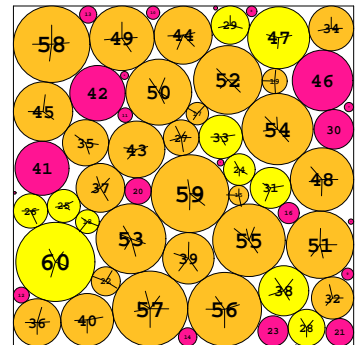
59 circles in a square



radius = 0.117305941867 density = 0.871936472336
 ratio = 502.358347092658 contacts = 75

N = 60

60 circles in a square



radius = 0.116239341173 density = 0.870254823857
 ratio = 516.189468111619 contacts = 77